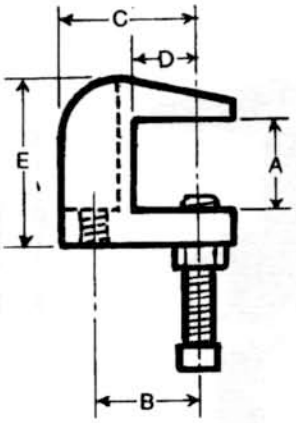
MODERN "TOP" BEAM CLAMP



* **SIZE AVAILABILITY:** 3/8" thru 3/4".

* **FINISH:** Black, Galvanized.

- Our figure 110N Beam Clamp is made from malleable iron with case hardened cup point set screw and lock nut.
- This "C" Clamp can be used with bar joist construction. It can be attached to the top or bottom sections of the beam.
- Cup point set screw and lock nut allows tightening against flange and clamp.
- Hole through body on tapped side makes for added adjusting.
- Complies with Federal Specifications WW-H- 171.
- Complies with Manufacturers Standardization Society SP-69 (Type 19).

* **ORDERING:** Specify rod size, figure number, name and finish.

FIG. 110 N

ROD SIZE	A	B	C	D	E	LOAD RATING	WEIGHT PER 100	STANDARD PACKING	MAXIMUM PIPE SIZE
3/8"	3/4"	1-3/16"	1-1/2"	3/4"	1-1/2"	300	33	100	2"
1/2"	3/4"	1-1/4"	1-5/8"	3/4"	1-3/4"	400	40	100	4 "
5/8"	7/8"	1-3/8"	1-3/4"	11/16"	1-7/8"	400	58	50	5"
3/4"	1"	1-1/2"	2"	11/16"	2"	500	78	50	6"

MODERN "C" I - BEAM CLAMP

W/LOCK NUT "LIGHT PATTERN"

* **SIZE AVAILABILITY:** 3/8", 1/2".

* **FINISH:** Black, Galvanized.

- These Modern "C" - I Beam Clamps are made to adjust to various thicknesses of I - beam flanges, not to exceed 3/4" thick.
- Screwing the drop rod into the clamp, during installation, and threading it up to, and against, the flange will also add to the locking power of this clamp.
- Torque adjustments should be followed by set MSS-SP-69 standards.
- It is used in light pipe hanging applications, generally for 2" pipe and smaller.
- The case hardened set screw supplied helps to assure locking power to the I - beam.
- The **113M** is made from malleable iron.
- The text below refers only to the **113A**.
- The lighter material used is 1/8" x 2-3/8" steel.
- The clamp is spot welded for added strength.
- This clamp is also designed to be used with the Fig. 114, retaining clips. The clip secures the clamp to the beam.
- Complies with Federal Specification WW-H-171E (Type 23).
- Complies with Manufacturers Standardization Society SP-69 (Type 23).

* **ORDERING:** Specify size, figure number and finish.

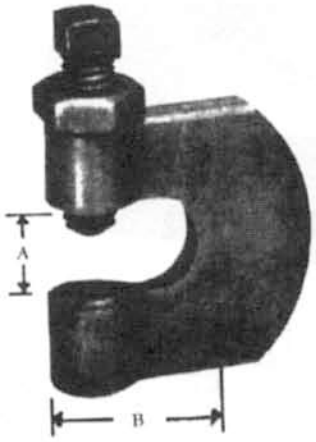


FIG. 113A

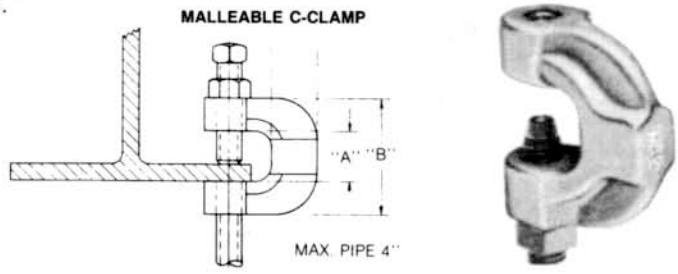


FIG. 113M

			PIPE	WEIGHT	STANDARD	MAXIMUM
FIG 113A	A	B	SIZES	PER HD	PACKING	LOAD
3/8"	3/4"	1-1/8"	1/2" thru 1-1/4"	34	100	400
1/2"	3/4"	1-1/4"	1-1/2" thru 2"	44	100	600
			PIPE	WEIGHT	STANDARD	MAXIMUM
FIG 113M	A	B	SIZES	PER HD	PACKING	LOAD
3/8"	3/4"	1-3/4"	1/2" thru 1-1/4"	27	100	300
1/2"	3/4"	1-3/4"	1-1/2" thru 2"	30	100	300

MODERN "C" I-BEAM CLAMP WITH LOCK NUT

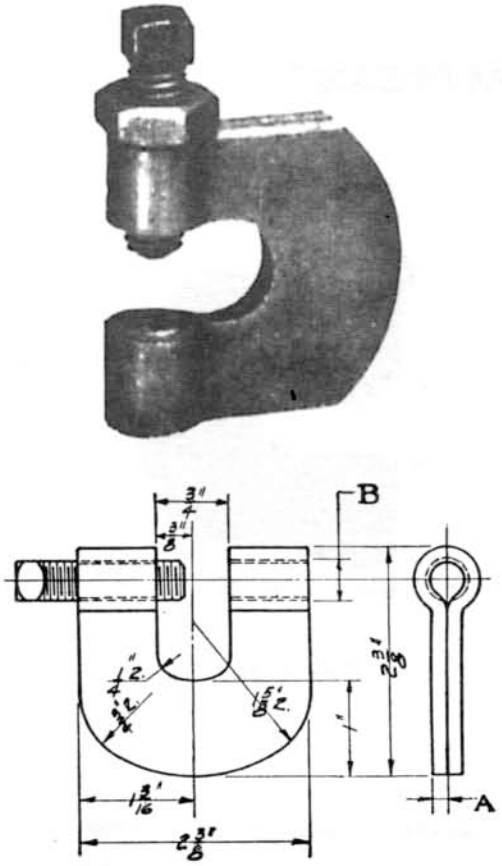


FIG. 113

* **SIZE AVAILABILITY:** 3/8", 1/2", 5/8" 3/4", 7/8".

* **FINISH:** Black, Galvanized.

- The Modern "C" - I Beam Clamp is made to adjust to various thicknesses of I - beam flanges, not to exceed 3/4" thick.
- The case hardened set screw supplied also comes with a locking jam nut that gives added locking power to the I - beam.
- This clamp is also designed to be used with the Fig. 114, retaining clips. The clip secures the clamp to the beam.
- Screwing the drop rod into the clamp, during installation, and threading it up to, and against, the flange will also add to the locking power of this clamp.
- Torque adjustments should be followed by set MSS-SP-69 standards.
- Using this clamp helps to eliminate the use of sockets and I - bolts, allowing for the use of threaded rod as a better choice.
- 5/8", 3/4", 7/8" sizes are welded as an added measure of strength.
- Complies with Federal Specification WW-H-171E (Type 23).
- Complies with Manufacturers Standardization Society SP-69 (Type 23).

* **ORDERING:** Specify size, figure number, name and finish.

CLAMP SIZE	B ROD SIZE	A STOCK SIZE	C LENGTH	WEIGHT PER HD	STANDARD PACKING	MAXIMUM LOAD
NO. 1	3/8"	3/16"	2-1/4"	47	100	400
NO. 2	1/2"	3/16"	2-1/4"	55	100	400
NO. 3	5/8"	3/16"	2-1/4"	74	50	500
NO. 4	3/4"	3/16"	2-1/4"	82	50	600
NO. 5	7/8"	5/16"	2-3/4"	160	25	1000

MODERN "C" I - BEAM CLAMP

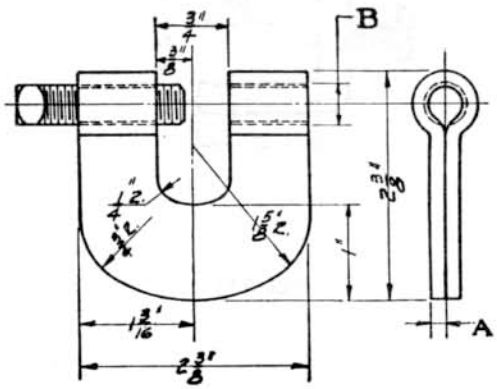


FIG. 112

* **SIZE AVAILABILITY:** 3/8", 1/2", 5/8" 3/4", 7/8".

* **FINISH:** Black, Electro-galvanized.

- The Modern "C" - I Beam Clamp is made to adjust to various thicknesses of I - beam flanges, not to exceed 3/4" thick.
- The case hardened set screw supplied helps to assure locking power to the I - beam.
- This clamp is also designed to be used with the Fig. 114, retaining clips. The clip secures the clamp to the beam.
- Screwing the drop rod into the clamp, during installation, and threading it up to, and against, the flange will also add to the locking power of this clamp.
- Torque adjustments should be followed by set MSS-SP-69 standards.
- Using this clamp helps to eliminate the use of sockets and I - bolts, allowing for the use of threaded rod as a better choice.
- 5/8", 3/4", 7/8" sizes are welded as an added measure of strength.
- Complies with Federal Specification WW-H-171E (Type 23).
- Complies with Manufacturers Standardization Society SP-69 (Type 23).

* **ORDERING:** Specify clamp number, rod size, figure number and finish.

CLAMP SIZE	B ROD SIZE	A STOCK SIZE	C LENGTH	WEIGHT PER HUNDRED	STANDARD PACKING	MAXIMUM LOAD
NO. 1	3/8"	3/16"	2-1/4"	37	100	400
NO. 2	1/2"	3/16"	2-1/4"	42	100	400
NO. 3	5/8"	3/16"	2-1/4"	59	50	500
NO. 4	3/4"	3/16"	2-1/4"	72	50	600
NO. 5	7/8"	5/16"	2-3/4"	150	25	1000

THREE WAY "I" BEAM CLAMP

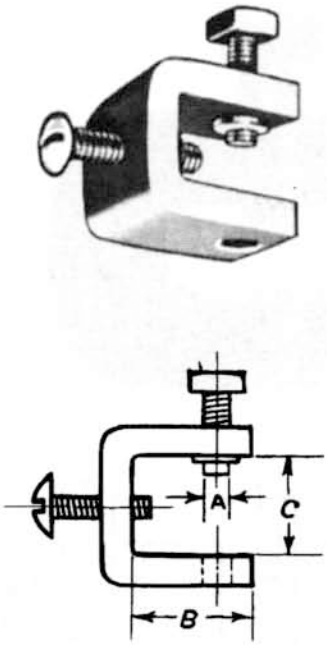


FIG. 111

* **SIZE AVAILABILITY:** 1/4" and 3/8".

* **FINISH:** Galvanized.

- Our figure 111 Beam Clamp is made from malleable iron.
- This clamp is designed for use on structural "I" beams, Z Bar framing or purloin joists.
- Three way tapping allows for vertical or angled hanger rod installation.
- This clamp is used with Modern figure 156 standard NC threaded rod.
- Another frequent use with the 111 is for easy installation of Modern's one piece Chan-All ring, figure 1001, 1002 and 1003.
- It is U.L. listed.

* **ORDERING:** Specify rod size, figure number, name and finish.

SIZE	STOCK	A	B	C	WT/HD	STD. PACK
1/4" #0	MALLEABLE IRON	1/4"	1"	3/4"	22	100
3/8" #1	MALLEABLE IRON	3/8"	1-1/2"	1"	80	50

MALLEABLE TOP BEAM CLAMP

WIDE MOUTH

* **SIZE AVAILABILITY:** 3/8" thru 3/4".

* **FINISH:** Black, Electro-galvanized.

- The Malleable Top Beam Clamp with Wide Mouth can be used with wide flanged beams and various bar joists.
- Malleable iron clamp comes with case hardened cup point set screw and locking nut.
- This clamp can be used on joists that are directly under roof installations.
- Vertical hanger rod can be installed offset from the edge of the beam flange.
- Size of clamp is determined by the size of rod used.
- Underwriters Laboratory and FM approved for pipe sizes 3/4" thru 5".
- Complies with Federal Specifications WW-H-171E.
- Complies with Manufacturers Standardization Society SP-69 (Type 19).

* **ORDERING:** Figure number, name, rod size finish.

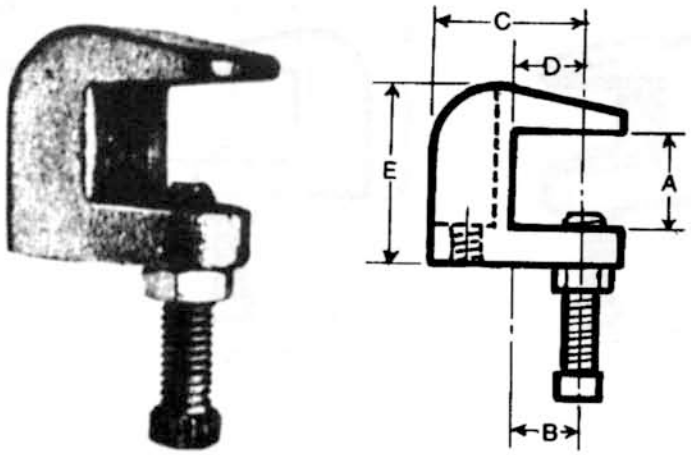


FIG. 110 NW

ROD SIZE	A	B	C	D	E	LOAD RATE	SIZE PIPE	WEIGHT PER HD.
3/8"	1-1/4"	1"	1-1/2"	3/4"	1-1/2"	400	1/2"-2"	42
1/2"	1-1/4"	1"	1-5/8"	3/4"	1-3/4"	500	2-1/2"-3-1/2"	48
3/8"	1-1/4"	1-3/8"	1-3/4"	3/4"	2-3/8"	600	4"-5"	65
3/4	1-1/4"	1-3/8"	2"	3/4"	2-1/2"	700	6"	85

ADJUSTABLE BEAM CLAMP ASSEMBLY

* **SIZE AVAILABILITY:** 3/8", 1/2" x Length.

* **FINISH:** Black, Galvanized.

- Our Figure 124 Adjustable Beam Clamp Assembly comes assembled with a fig. 76 "J" hook, fig. 282 angle, fig. 82 steel drop rod eye socket and fig. 781 locking hex nut.
- The special fig. 76 "J" hook comes with 2-1/2" of thread for approximately 2" of beam adjustment.
- Hook lengths are made 3" long to 14" long, with longer lengths made to order.
- With a 2" adjustment capability, one size can fit more than one width beam.
- Flange thickness is important to specify for proper hook opening and fit.
- Assembly and installation is easy, and the locking hex nut secures the hanger in place.
- This assembly is usually used in light pipe applications.
- Complies with Manufacturers Standardization Society SP-69 (Type 20).

* **ORDERING:** Specify size, length, flange size and drop rod size.

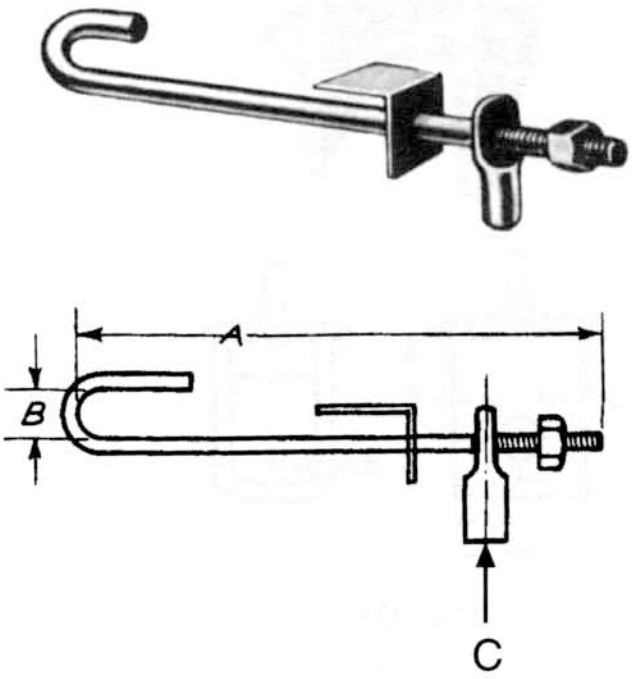


FIG 124

ROD SIZE	LENGTH A	HOOK B	EYE SIZE C	MAXIMUM LOAD
3/8"	3" - 14"	3/8",1/2",5/8"	3/8"	*PER APPLICATION*
1/2"	3" - 14"	1/2",5/8",3/4"	3/8", 1/2"	*PER APPLICATION*

I BEAM CLAMP WITH BOLT

* **SIZE AVAILABILITY:** 3" thru 12" - I Beams

* **FINISH:** Black, Galvanized, Prime Painted or Red Oxide.

- Made from low carbon steel.
- Cross bolts provide additional clamping security.
- Deep yoke design allows 2-1/2" of vertical adjustment.
- Designed for hanging pipe only.
- Factory Mutual approved .

* **ORDERING:** Specify beam size, figure number, type number, and width of flange.

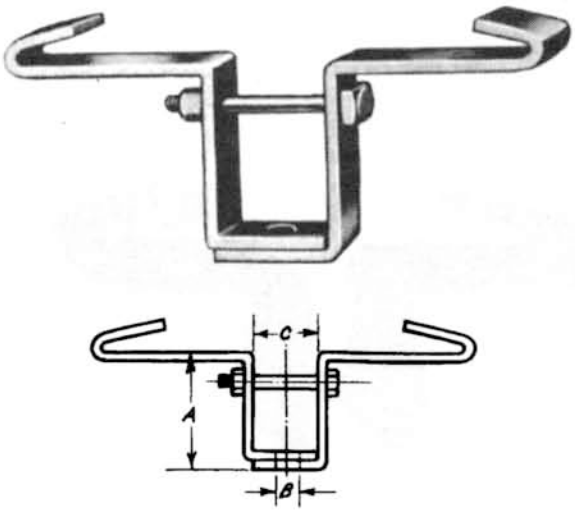


FIG. 122

TYPE NUMBER	STOCK SIZE	BOLT SIZE	A	B	C
1	1/4" X 1-1/4"	3/8" X 3"	4"	9/16"	2"
2	3/8" X 1-1/2"	1/2" X 3-1/2"	4"	13/16"	2"
3	1/2" X 2"	5/8" X 4"	4"	15/16"	2"

WIDTH OF	MAXIMUM LOAD			WEIGHT PER HUNDRED		
FLANGE	TYPE 1	TYPE 2	TYPE 3	TYPE 1	TYPE 2	TYPE 3
3"	1000	1500	-	160	390	-
4"	1000	1500	-	174	408	-
5"	1000	1500	3000	182	440	630
6"	1000	1500	3000	190	468	660
7"	1000	1500	3000	208	520	715
8"	1000	1500	3000	220	520	765
9"	1000	1500	3000	255	550	700

I-BEAM CLAMP AND BOLT

FIG. 120

* **SIZE AVAILABILITY:** 2" thru 12".

* **FINISH:** Plain or Galvanized.

- The Figure 120 I- Beam Clamp is used for hanging pipes from over head beams.
- The center load design gives equal load distribution and limits load variation.
- It is ordinarily used with Figure 80 or 80N depending on pipe application. Figure 75 I- Bolt can be used when lighter pipe applications are needed or when threaded rod is not specified.
- This beam clamp is designed to be used only on the size of beam that is in place and cannot be adjusted to fit smaller or larger I- Beams.
- There are 3 number classifications that allow for different, limited weight capacities.
- Complies with Federal Specification and General Service Administration WW-H-171b (Type 21).
- Complies with Manufacturers Standardization Society SP-69 (Type 21).

* **ORDERING:** Specify size, figure number, type number, width of flange, thickness of flange and finish.

NO. 1 I - BEAM

IS MADE OF 1/4" X 1-1/4" STEEL, 3/8" BOLTS		
I- BM FLANGE	WT/100	MAX. LOAD
2"	65	1000
3"	85	1000
4"	90	1000
5"	100	1000
6"	120	1000
7"	135	1000
8"	145	1000
10"	170	1000
12"	195	1000

NO. 2 I - BEAM

IS MADE OF 3/8" X 1-1/2" STEEL, 1/2" BOLTS		
I- BM FLANGE	WT/100	MAX. LOAD
3"	160	1500
4"	175	1500
5"	195	1500
6"	215	1500
7"	225	1500
8"	255	1500
10"	290	1500
12"	320	1500

NO. 3 I - BEAM

IS MADE OF 1/2" X 2" STEEL, 3/4" BOLT		
I-BM FLANGE	WT/100	MAX. LOAD
3"	310	3000
4"	365	3000
5"	415	3000
6"	425	3000
7"	455	3000
8"	510	3000
10"	545	3000
12"	645	3000